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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Osamu KANIE et al.

Group Art Unit : 1614

Appl. No. : 10/726,550

Examiner : Not Yet Assigned

Filed : December 4, 2003

Confirmation No. : 5494

For : AZASUGAR COMPOUNDS

**FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
220 20th Street S.  
Customer Window, Mail Stop \_\_\_\_\_  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

Sir :

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98 and supplemental to the Information Disclosure Statement that was filed on April 12, 2004, Applicants hereby call to the Examiner's attention the following documents which are cited in the specification of the present application:

R. KORNFELD et al., Ann. Rev. Biochem., Vol. 54, pp. 631-634, 1985.

Applicants note that this document is cited in the specification of the present application including page 1;

I. BROCKHAUSEN, Biochimica et Biophysica Acta, Vol. 1473, pp. 67-95, 1999.

Applicants note that this document is cited in the specification of the present application including page 1;

T.D. BUTTERS et al., Chem. Rev., Vol. 100, pp. 4683-4696, 2000. Applicants note that this document is cited in the specification of the present application including page 1;

M. SINNOTT et al., Chem. Rev., Vol. 90, pp. 1171-1202, 1990. Applicants note that this document is cited in the specification of the present application including page 1;

C.S. RYE et al., Curr. Opin. Chem. Biol., Vol. 4, pp. 573-580, 2000. Applicants note that this document is cited in the specification of the present application including page 1;

U.M. UNLIGIL et al., Curr. Opin. Struct. Biol., Vol. 10, pp. 510-517, 2000. Applicants note that this document is cited in the specification of the present application including page 1;

B. WINCHESTER et al., Biochem. J., Vol. 290, pp. 743-749, 1993. Applicants note that this document is cited in the specification of the present application including pages 1 and 2;

G.W.J. FLEET et al., Tetrahedron Lett., Vol. 26, pp. 3127-3130, 1985. Applicants note that this document is cited in the specification of the present application including pages 1 and 2;

K.K.-C. LIU et al., J. Org. Chem., Vol. 56, pp. 6280-6289, 1991. Applicants note that this document is cited in the specification of the present application including pages 1 and 2;

A. KATO et al., Carbohydr. Res., Vol. 316, pp. 95-103, 1999. Applicants note that this document is cited in the specification of the present application including pages 1 and 2;

M. TAKEBAYASHI et al., J. Org. Chem., Vol. 64, pp. 5280-5291, 1999.

Applicants note that this document is cited in the specification of the present application including pages 1, 2, 13, and 30;

C. SAOTOME et al., Bioorg. Med. Chem., Vol. 8, pp. 2249-2261, 2000.

Applicants note that this document is cited in the specification of the present application including pages 1, 2, 8, 13, 14, 30, 32, and 34;

T. KAJIMOTO et al., J. Am. Chem. Soc., Vol. 113, pp. 6187-6196, 1991.

Applicants note that this document is cited in the specification of the present application including page 2;

Y. ICHIKAWA et al., J. Am. Chem. Soc., Vol. 120, pp. 3007-3018, 1998.

Applicants note that this document is cited in the specification of the present application including page 2;

G. LEGLER et al., Carbohydr. Res., Vol. 155, pp. 119-129, 1986. Applicants note that this document is cited in the specification of the present application including page 2;

C.H. WONG et al., Angew. Chem. Int. Ed. Engl., Vol. 34, pp. 412-432, 1995.

Applicants note that this document is cited in the specification of the present application including page 2;

C.H. WONG et al., Angew. Chem. Int. Ed. Engl., Vol. 34, pp. 521-546, 1995.

Applicants note that this document is cited in the specification of the present application including page 2;

A.B. HUGHES et al., Nat. Prod. Rep., pp. 135-162, 1994. Applicants note that this document is cited in the specification of the present application including page 2;

X. QIAN et al., Glycotransferase Inhibitors, in Carbohydrates in Chemistry and Biology, B. Ernst et al. ed., Vol. 3, pp. 293-312. Applicants note that this document is cited in the specification of the present application including page 2;

M. TAKAYANAGI et al., J. Org. Chem., Vol. 65, pp. 3811-3815, 2000;

U.J. NILSSON et al., Bioorg. Med. Chem., Vol. 6, pp. 1563-1575, 1998.

Applicants note that this document is cited in the specification of the present application including page 29;

R. WISCHNAT et al., Bioorg. Med. Chem. Lett., Vol. 8, pp. 3353-3358, 1998.

Applicants note that this document is cited in the specification of the present application including page 29;

A. LOHSE et al., Bioorg. Med. Chem., Vol. 7, pp. 1965-1971, 1999. Applicants note that this document is cited in the specification of the present application including page 29;

A. LOHSE et al., Tetrahedron Lett., Vol. 40, pp. 3033-3036, 1999. Applicants note that this document is cited in the specification of the present application including page 29;

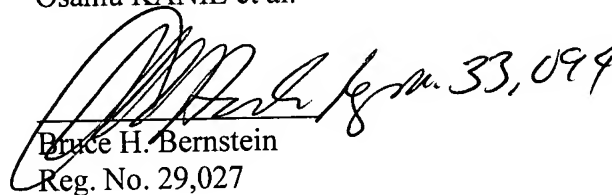
C. MALET, Carbohydrate Research, Vol. 303, pp. 51-65, 1997.

Applicants respectfully request that the Examiner consider the above material and cite the same. Copies of the above-noted documents are attached hereto and are listed on the attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form to Applicants with the next official communication in the present application.

Applicants note that an Office Action on the merits has not issued in the present application, and thus no fee is believed necessary to ensure consideration of the submitted material. However, if an Office Action on the merits has issued and is crossing this statement in the mail, the undersigned hereby authorizes the Commissioner to charge any fee necessary for the consideration of this statement, including any payment under 37 C.F.R. §1.17 (p) to Deposit Account No. 19-0089.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,  
Osamu KANIE et al.

  
Bruce H. Bernstein  
Reg. No. 29,027

September 1, 2004  
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FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P24643Application No.  
10/726,550INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

Applicant  
Osamu KANIE et al.Filing Date  
December 4, 2003Group  
1614

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|----|---|
| 1  | R. KORNFELD et al., Ann. Rev. Biochem., Vol. 54, pp. 631-634, 1985.   |
| 2  | I. BROCKHAUSEN, Biochimica et Biophysica Acta, Vol. 1473, pp. 67-95, 1999.  |
| 3  | T.D. BUTTERS et al., Chem. Rev., Vol. 100, pp. 4683-4696, 2000.   |
| 4  | M. SINNOTT et al., Chem. Rev., Vol. 90, pp. 1171-1202, 1990.  |
| 5  | C.S. RYE et al., Curr. Opin. Chem. Biol., Vol. 4, pp. 573-580, 2000.  |
| 6  | U.M. UNLIGIL et al., Curr. Opin. Struct. Biol., Vol. 10, pp. 510-517, 2000.   |
| 7  | B. WINCHESTER et al., Biochem. J., Vol. 290, pp. 743-749, 1993.   |
| 8  | G.W.J. FLEET et al., Tetrahedron Lett., Vol. 26, pp. 3127-3130, 1985.   |
| 9  | K.K.-C. LIU et al., J. Org. Chem., Vol. 56, pp. 6280-6289, 1991.  |
| 10 | A. KATO et al., Carbohydr. Res., Vol. 316, pp. 95-103, 1999.  |
| 11 | M. TAKEBAYASHI et al., J. Org. Chem., Vol. 64, pp. 5280-5291, 1999.   |
| 12 | C. SAOTOME et al., Bioorg. Med. Chem., Vol. 8, pp. 2249-2261, 2000.   |
| 13 | T. KAJIMOTO et al., J. Am. Chem. Soc., Vol. 113, pp. 6187-6196, 1991.   |
| 14 | Y. ICHIKAWA et al., J. Am. Chem. Soc., Vol. 120, pp. 3007-3018, 1998.   |
| 15 | G. LEGLER et al., Carbohydr. Res., Vol. 155, pp. 119-129, 1986.   |
| 16 | C.H. WONG et al., Angew. Chem. Int. Ed. Engl., Vol. 34, pp. 412-432, 1995.  |
| 17 | C.H. WONG et al., Angew. Chem. Int. Ed. Engl., Vol. 34, pp. 521-546, 1995.  |
| 18 | A.B. HUGHES et al., Nat. Prod. Rep., pp. 135-162, 1994.   |
| 19 | X. QIAN et al., Glycotransferase Inhibitors, in Carbohydrates in Chemistry and Biology, B. Ernst et al. ed., Vol. 3, pp. 293-312. |
| 20 | M. TAKAYANAGI et al., J. Org. Chem., Vol. 65, pp. 3811-3815, 2000.  |
| 21 | U.J. NILSSON et al., Bioorg. Med. Chem., Vol. 6, pp. 1563-1575, 1998.   |
| 22 | R. WISCHNAT et al., Bioorg. Med. Chem. Lett., Vol. 8, pp. 3353-3358, 1998.  |
| 23 | A. LOHSE et al., Bioorg. Med. Chem., Vol. 7, pp. 1965-1971, 1999.   |
| 24 | A. LOHSE et al., Tetrahedron Lett., Vol. 40, pp. 3033-3036, 1999.   |
| 25 | C. MALET, Carbohydrate Research, Vol. 303, pp. 51-65, 1997.   |

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.